GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO:1245
ANSWERED ON:03.03.2016
Database on Natural and Artificial Recharge of Ground Water
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Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) whether the Government is planning to start a database on natural and artificial recharge of ground water;
(b) if so, the details thereof;
(c) whether the Ministry plans to initiate a study with the Ministry of Agriculture to map areas of agricultural land with low levels of ground water and accordingly changing crops in these areas; and
(d) if so, the details thereof?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(PROF. SANWAR LAL JAT)
(a) & (b) Water being a State subject, the database on natural and artificial recharge is not maintained centrally. However, Central Ground Water Board in association with the State Governments carries out assessment of Dynamic Ground Water Resources periodically, in which data on artificial and natural recharge is used. State-wise statement of ground water recharge from various sources as on March, 2011 is given at Annexure.
Further, a conceptual document entitled "Master Plan for Artificial Recharge to Ground Water in India" has been prepared during the year 2013, which envisages construction of different types of Artificial Recharge and Rainwater Harvesting structures in the Country in an area of 9,41,541 sq.km for harnessing surplus monsoon runoff to augment ground water resources. The Master Plan has been circulated to all State Governments for implementation.
(c) At present, there is no proposal to initiate a study with the Ministry of Agriculture to map areas of agricultural land with low levels of ground water and suggest changes in cropping pattern in these areas.
(d) In view of reply to part(c) above, question does not arise.

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ANNEXURE
Annexure referred in reply to Lok Sabha Unstarred Question No. 1245 to be answered on 03.03.2016 regarding "Database on Natural and Artificial Recharge of Ground Water"

STATE-WISE GROUND WATER RESOURCES OF INDIA
(as on March, 2011)
(in BCM)

S.No.	States / Union Territories	Annual Replenishable Ground Water Resource				
		Monsoon Season		Non-Monsoon Season		Total
		Recharge From Rainfall	Recharge From Other Sources Including Water Conservation Structures	Recharge From Rainfall	Recharge From Other Sources Including Water Conservation Structures	
	States					
1	Andhra Pradesh	17.25	6.29	5.38	6.97	35.89
2	Arunachal Pradesh	3.36	0.00	1.15	0.00	4.51
3	Assam	17.90	1.64	8.64	0.34	28.52
4	Bihar	19.54	3.95	3.40	2.44	29.34
5	Chhattisgarh	9.90	0.70	0.87	0.94	12.42
6	Delhi	0.11	0.10	0.02	0.08	0.31
7	Goa	0.16	0.008	0.01	0.07	0.24
8	Gujarat	12.79	2.55	0.00	3.23	18.57
9	Haryana	3.65	2.77	1.01	3.35	10.78
10	Himachal Pradesh	0.39	0.02	0.10	0.05	0.56
11	Jammu & Kashmir	1.45	2.06	0.36	0.37	4.25
12	Jharkhand	4.75	0.13	1.06	0.36	6.31
13	Karnataka	6.81	4.17	2.67	3.38	17.03
14	Kerala	4.85	0.06	0.63	1.15	6.69
15	Madhya Pradesh	28.22	1.17	0.79	4.87	35.04
16	Maharashtra	22.36	1.68	1.84	8.07	33.95
17	Manipur	0.23	0.01	0.19	0.01	0.44
18	Meghalaya	1.68	0.03	0.07	0.005	1.78
19	Mizoram	0.0257	Negligible	0.005	Negligible	0.030
20	Nagaland	0.40	Negligible	0.21	Negligible	0.62

21	Odisha	11.29	2.53	1.33	2.63	17.78
22	Punjab	5.82	10.64	1.33	4.74	22.53
23	Rajasthan	8.78	0.68	0.28	2.20	11.94
24	Sikkim	-	-	-	-	-
25	Tamil Nadu	7.38	10.28	1.69	2.18	21.53
26	Tripura	1.248	0.000	0.740	0.598	2.587
27	Uttar Pradesh	42.13	11.57	5.15	18.34	77.19
28	Uttarakhand	1.09	0.26	0.20	0.49	2.04
29	West Bengal	18.53	5.72	1.42	3.58	29.25
Total (States)		252.11	68.99	40.56	70.44	432.11
Union Territories						
1	Andaman & Nicobar	0.262	Nil	0.046	Nil	0.308
2	Chandigarh	0.015	0.001	0.005	0.001	0.022
3	Dadra & Nagar Haveli	0.043	0.003	0.009	0.007	0.062
4	Daman & Diu	0.014	0.002	0.000	0.002	0.018
5	Lakshadweep	0.000	0.000	0.000	0.000	0.011
6	Puducherry	0.089	0.060	0.008	0.032	0.189
Total (UTs)		0.42	0.07	0.07	0.04	0.61
Grand Total		252.53	69.06	40.63	70.48	432.72

BCM? Billion Cubic Metre

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